STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: _10/572,189_

Source: _IFWP_

Date Processed by STIC: _04/06/2006_

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
> **http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (**<http://www.uspto.gov/ebc/efs/downloads/documents.htm>** , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: __10/572, 189__

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1____Wrapped Nucleics
Wrapped Aminos
The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor **after** creating it. Please adjust your right margin to .3; this will prevent "wrapping."

2____Invalid Line Length
The rules require that a line **not exceed 72** characters in length. This includes white spaces.

3____Misaligned Amino
Numbering
The numbering under each 5th amino acid is misaligned. Do **not** use tab codes between numbers; use **space characters**, instead.

4____Non-ASCII
The submitted file was **not** saved in ASCII(DOS) text, as **required** by the Sequence Rules. **Please ensure your subsequent submission is saved in ASCII text.**

5____Variable Length
Sequence(s)____contain n's or Xaa's representing more than one residue. **Per Sequence Rules, each n or Xaa can only represent a single residue.** Please present the **maximum** number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.

6____PatentIn 2.0
"bug"
A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. **This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.**

7____Skipped Sequences
(OLD RULES)
Sequence(s) _____ missing. If intentional, please insert the following lines for **each** skipped sequence:
(2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)　　　SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped
Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to **include** the skipped sequences.

8____Skipped Sequences
(NEW RULES)
Sequence(s) _____ missing. If **intentional**, please insert the following lines for **each** skipped sequence.
<210> sequence id number
<400> sequence id number
000

9____Use of n's or Xaa's
(NEW RULES)
Use of n's and/or Xaa's have been detected in the Sequence Listing.
Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of **n** or **Xaa**, and which residue **n** or **Xaa** represents.

10____Invalid <213>
Response
Per 1.823 of Sequence Rules, the only **valid** <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is **required** when <213> response is Unknown or is Artificial Sequence. (see item 11 below)

11____Use of <220>
Sequence(s) ____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules

12____PatentIn 2.0
"bug"
Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13____Misuse of n/Xaa
"n" can **only** represent a single <u>nucleotide</u>; "Xaa" can **only** represent a single <u>amino acid</u>

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/572,189
DATE: 04/06/2006
TIME: 10:45:48

Input Set : A:\Sequence Listing (13111-00033-US).txt
Output Set: N:\CRF4\04062006\J572189.raw

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 3 <110> APPLICANT: Ostermann, Kai
 4        Rodel, Gerhard
 6 <120> TITLE OF INVENTION: SECRETION OF PROTEINS FROM YEASTS
 8 <130> FILE REFERENCE: 13111-00033-US
10 <140> CURRENT APPLICATION NUMBER: US/10/572,189
10 <141> CURRENT FILING DATE: 2006-03-15
10 <150> PRIOR APPLICATION NUMBER: PCT/EP2004/010346
11 <151> PRIOR FILING DATE: 2004-09-15
13 <150> PRIOR APPLICATION NUMBER: DE 103 42 794.5
14 <151> PRIOR FILING DATE: 2003-09-16
16 <160> NUMBER OF SEQ ID NOS: 56
18 <170> SOFTWARE: PatentIn version 3.3
20 <210> SEQ ID NO: 1
22 <211> LENGTH: 171
24 <212> TYPE: DNA
26 <213> ORGANISM: Schizosaccharomyces pombe
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38 1               5                   10                  15
40 tca cct att cca gtt gcc gat cct ggt gtg gtt tca gtt agc aag tca      96
41 Ser Pro Ile Pro Val Ala Asp Pro Gly Val Val Ser Val Ser Lys Ser
42              20                  25                  30
44 tat gct gat ttc ctt cgt gtt tac caa agt tgg aac act ttt gct aat     144
45 Tyr Ala Asp Phe Leu Arg Val Tyr Gln Ser Trp Asn Thr Phe Ala Asn
46          35                  40                  45
48 cct gat aga ccc aac ttg aaa aag cgc                                 171
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50      50                  55
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57 <212> TYPE: PRT
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72 Tyr Ala Asp Phe Leu Arg Val Tyr Gln Ser Trp Asn Thr Phe Ala Asn
73          35                  40                  45
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Does Not Comply Corrected Diskette Needed

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 82 <211> LENGTH: 60
 84 <212> TYPE: DNA
 86 <213> ORGANISM: Schizosaccharomyces pombe
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 97 <220> FEATURE:
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101 <222> LOCATION: (1)..(60)
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119 <212> TYPE: PRT
121 <213> ORGANISM: Schizosaccharomyces pombe
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153 1           5               10              15
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157            20              25
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162 <211> LENGTH: 27
164 <212> TYPE: PRT
166 <213> ORGANISM: Schizosaccharomyces pombe
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259 tca cct att cca gtt gcc gat cct ggt gtg gtt tca gtt agc aag tca        96
260 Ser Pro Ile Pro Val Ala Asp Pro Gly Val Val Ser Val Ser Lys Ser
261             20              25                  30
263 tat gct gat ttc ctt cgt gtt tac caa agt tgg aac act ttt gct aat       144
264 Tyr Ala Asp Phe Leu Arg Val Tyr Gln Ser Trp Asn Thr Phe Ala Asn
265         35              40                  45
267 cct gat aga ccc aac ttg aaa aag cgc gaa ttc gaa gct gct ccc gca       192
268 Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu Ala Ala Pro Ala
269     50              55                  60
271 aaa act tat gct gat ttc ctt cgt gct tat caa agt tgg aac act ttt       240
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275 gtt aat cct gac aga ccc aat ttg aaa aag cgt gag ttt gaa gct gcc       288
276 Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu Ala Ala
277                 85                  90                  95
279 cca gag aag agt tat gct gat ttc ctt cgt gct tac cat agt tgg aac       336
280 Pro Glu Lys Ser Tyr Ala Asp Phe Leu Arg Ala Tyr His Ser Trp Asn
281                 100                 105                 110
283 act ttt gtt aat cct gac aga ccc aac ttg aaa aag cgc gaa ttc gaa       384
284 Thr Phe Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu
285             115                 120                 125
287 gct gct ccc gca aaa act tat gct gat ttc ctt cgt gct tac caa agt       432
288 Ala Ala Pro Ala Lys Thr Tyr Ala Asp Phe Leu Arg Ala Tyr Gln Ser
289         130                 135                 140
291 tgg aac act ttt gtt aat cct gac aga ccc aac ttg aaa aag cgc act       480
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293 145                 150                 155                 160
295 gaa gaa gat gaa gag aat gag gaa gag gat gaa gaa tac tat cgc ttt       528
296 Glu Glu Asp Glu Glu Asn Glu Glu Glu Asp Glu Glu Tyr Tyr Arg Phe
297                 165                 170                 175
299 ctt cag ttt tat atc atg act gtc cca gag aat tcc act att aca gat       576
300 Leu Gln Phe Tyr Ile Met Thr Val Pro Glu Asn Ser Thr Ile Thr Asp
301                 180                 185                 190
303 gtc aat att act gcc aaa ttt gag agc taa                               606
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312 <212> TYPE: PRT
314 <213> ORGANISM: Schizosaccharomyces pombe
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329         35                  40                  45
332 Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu Ala Ala Pro Ala
333         50                  55                  60
336 Lys Thr Tyr Ala Asp Phe Leu Arg Ala Tyr Gln Ser Trp Asn Thr Phe
337 65                  70                  75                  80
340 Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu Ala Ala
341                 85                  90                  95
344 Pro Glu Lys Ser Tyr Ala Asp Phe Leu Arg Ala Tyr His Ser Trp Asn
345                 100                 105                 110
348 Thr Phe Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Glu Phe Glu
349             115                 120                 125
352 Ala Ala Pro Ala Lys Thr Tyr Ala Asp Phe Leu Arg Ala Tyr Gln Ser
353         130                 135                 140
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356 Trp Asn Thr Phe Val Asn Pro Asp Arg Pro Asn Leu Lys Lys Arg Thr
357 145             150             155             160
360 Glu Glu Asp Glu Glu Asn Glu Glu Glu Asp Glu Glu Tyr Tyr Arg Phe
361             165             170             175
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398 1           5               10              15
400 cca tac gat gtt cct gac tat gcg ggc tat ccc tat gac gtc ccg gac        96
401 Pro Tyr Asp Val Pro Asp Tyr Ala Gly Tyr Pro Tyr Asp Val Pro Asp
402             20              25              30
404 tat gca gga tcc tat cca tat gac gtt cca gat tac gct gct cag tgc       144
405 Tyr Ala Gly Ser Tyr Pro Tyr Asp Val Pro Asp Tyr Ala Ala Gln Cys
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419 <213> ORGANISM: Unknown
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443     50
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450 <212> TYPE: DNA
452 <213> ORGANISM: Aspergillus nidulans
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[Handwritten annotation:] → Invalid Response. Explain the source of genetic material. See Item 11 on Error Summary sheet.

[Handwritten annotation:] → Same Error

VERIFICATION SUMMARY   DATE: 04/06/2006
PATENT APPLICATION: US/10/572,189   TIME: 10:45:49

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Output Set: **N:\CRF4\04062006\J572189.raw**

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date